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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,717	12/01/2005	William C Aird	01948/089002	5758
21559 CLARK & ELI	7590 08/31/200 BING LLP	7	EXAMINER	
101 FEDERAL BOSTON, MA			HARRIS, ALANA M	
BOSTON, MA	02110		ART UNIT	PAPER NUMBER
		•	1643	•
•	•	•		
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•			08/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/542,717	AIRD ET AL.				
Office Action Summary	Examiner	Art Unit				
	Alana M. Harris, Ph.D.	1643				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
Responsive to communication(s) filed on This action is FINAL . 2b)⊠ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
 4) Claim(s) 1-25 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-25 are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examine	r.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:						

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Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-3 and 7, drawn to a method of diagnosing a patient as having a neoplasia comprising detecting an endocan nucleic acid molecule. Claims 1-3 and 7 will be examined with this Group to the extent a nucleic acid detected.

Group II, claim(s) 1-7, drawn to a method of diagnosing a patient as having a neoplasia comprising detecting an endocan polypeptide molecule. Claims 1-3 and 7 will be examined with this Group to the extent a polypeptide detected.

Group III, claim(s) 8-23, drawn to a method of assessing the responsiveness of a neoplasm to a treatment regimen comprising determining the level of an endocan nucleic acid, wherein an alteration indicates responsiveness. Claims 8-23 will be examined with this Group to the extent a nucleic acid is detected.

Group IV, claim(s) 8-23, drawn to a method of assessing the responsiveness of a neoplasm to a treatment regimen comprising determining the level of an endocan polypeptide, wherein an alteration indicates responsiveness. Claims 1-3 and 7 will be examined to the extent a polypeptide is detected.

Group V, claim(s) 24, drawn to a diagnostic kit for the detection of a neoplasm comprising an endocan nucleic acid. Claim 24 will be examined with this Group to the extent a nucleic acid is within said kit.

Group VI, claim(s) 24 and 25, drawn to a diagnostic kit for the detection of a neoplasm comprising an endocan amino acid sequence, such as an anti-endocan antibody. Claim 24 will be examined with this Group to the extent an antibody is within said kit.

2. The inventions listed as Groups I-VI do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

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The special technical feature recited in claim 1 is a method of diagnosing a patient as having a neoplasia comprising detecting an endocan nucleic acid molecule.

U.S. Patent Application Publication 2006/0167067 A1 (effective filing date July 1, 2002) teaches methods of diagnosing cancer by detecting a nucleic acid encoding an ESM-1 (endothelial cell specific molecule) also known as endocan within a biological sample from a subject, see page 30, sections 0305-0309. Moreover, Aitkenhead et al. (Microvascular Research 63(2): 159-171, March 2002) teaches ESM-1 is upregulated in several renal cell carcinomas, as well as in many tumors, see abstract; page 165, bridging paragraph; and bridging paragraph of pages 165 and 166. Therefore, the technical feature recited in claim 1 is not special. Accordingly, the groups are not so linked as to form a single general concept under PCT Rule 13.1.

3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the

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record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

- 4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 5. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Alana M. Harris, Ph.D. whose telephone number is (571)272-0831. The Examiner works a flexible schedule, however she can normally be reached between the hours of 7:30 am to 6:30 pm, with alternate Fridays off.

If attempts to reach the Examiner by telephone are unsuccessful, the examiner's supervisor, Larry R. Helms, Ph.D. can be reached on (571) 272-0832. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ALANA M. HARRIS, PH.D. PRIMARY EXAMINER

Alana M. Harris, Ph.D.

25 August 2007